MATERIAL SAFETY DATA SHEET

SAFETY DATA SHEET

Prepared according to 29CFR 1910.1200, Regulation (EC) No. 1272/2008 (GHS) and Canadian Controlled Products Act (CPR)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: *After Sting® Gel; After Bite Xtra ®; After Bite® Gel*
After Bite® Outdoor; After Bite® Chigger/Ant

Product Code: *0001-1113*
MSDS Date: *April 23, 2012*
MSDS Revision No.: *4*
USE: *Insect bite treatment*

HMIS Hazard Rating

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

MANUFACTURER: *Tender Corporation*
ADDRESS: *106 Burndy Road*
Littleton, NH 03561
INFORMATION CALLS: *800-258-4696*
E-Mail: *customersrevice@tendercorp.com*
FAX PHONE: *603-444-6735*

EMERGENCY PHONE: *Spills :(800) 354-2382 (Veolia)*
Medical Information :(800) 258-4696 (Tender Corporation)

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: *Opaque non-flammable water soluble gel with a strong ammonia odor*

HAZARD CLASSIFICATION: *Warning*
GHS Label elements, including precautionary statements
Pictogram

Signal word: *WARNING*

Hazard statement(s)

H302	*Harmful if swallowed*
H319	*Causes serious eye irritation*
H315	*Causes skin irritation*
H412	*Harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment*

Precautionary statement(s)

P102	*Keep out of the reach of children*
P234	*Keep in original container*
P305+P351+P338	*IF IN EYES; Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing*
P301+330+331+315	*IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Get immediate medical advice/attention.*
P273	*Avoid release to the environment*

ROUTES OF EXPOSURE: *Dermal, oral*

POTENTIAL HEALTH EFFECTS

INHALATION: *May cause irritation to lungs*

SKIN CONTACT: *Do not use over cuts, wounds or irritated skin*
Pre-existing skin disorders may be aggravated by exposure

EYE CONTACT: *Prolonged contact may cause irritation, with redness, pain, tearing, blurred vision and conjunctivitis.*

INGESTION: *May be harmful if swallowed.*

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Conc.(%)	CAS NO.	EINECS NO.	Classification
Ammonia	*3.5%*	*7664-41-7*	*231-635-3*	*EU-X_i ; WHMIS-Class E*
Water	*84.0 to 88.0*	*7732-18-5*	*231-791-2*	*None*
Sodium Bicarbonate	*1.0 to 3.0*	*144-55-8*	*205-633-8*	*None*
Carbomer (Polyacrylic acid)	*1.0 to 2.5*	*9003-01-4*	*N/A*	*None*
Melaleuca alternifolia	*0.3 to 0.5*	*85085-48-9*	*285-377-1*	*EU-Xn*

See Section 8 – "EXPOSURE CONTROLS/PERSONAL PROTECTION" for exposure guidelines

SECTION 4: FIRST AID MEASURES

INHALATION: *Move victim to fresh air. Apply artificial respiration if indicated. Contact a physician if warranted.*

CONTACT WITH SKIN: *Take off contaminated clothing. Immediately wash gently and thoroughly with luke warm, gently flowing water and non-abrasive soap for 15-20 mins. If skin irritation or rash occurs, see a doctor. Thoroughly clean clothing before reuse or dispose of safely.*

CONTACT WITH EYES: *Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. If irritation or pain persists, see a doctor.*

INGESTION: *Have victim rinse mouth with water. NEVER give anything by mouth if the victim is rapidly losing consciousness, or is unconscious or convulsing. DO NOT INDUCE VOMITING. Contact a physician if warranted.*

SECTION 5: FIRE-FIGHTING MEASURES

FIRE AND EXPOLSIVE PROPERTIES: *Non Flammable - This product is not flammable, combustible or explosive*

Flash Point: *Not applicable* **Flammable Limits:** *Not applicable*

EXTINGUISHING MEDIA: *Water spray*
Carbon dioxide
Dry Chemical or foam

SPECIFIC HAZARDS: *In case of fire, hazardous combustion gases may be formed:*
Carbon monoxide (CO)
Carbon Dioxide (CO2)
Nitrogen oxides (NOx)

PROTECT EUIPMENT FOR FIREFIGHTERS: *Use self-contained breathing apparatus and full protective clothing*
FURTHER INFORMATION: *Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations*

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: *For Large Spills; Isolate the hazard area. Keep out unnecessary and unprotected personnel. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Use the Personal Protective Equipment recommended in Section 8 of this MSDS. Review Section 7 (Handling) of this MSDS before proceeding with cleanup.*

ENVIRONMENTAL PRECAUTIONS: *Do not allow into any sewer, on to ground or into any waterway.*

METHOD FOR CONTAINMENT AND CLEAN-UP:

Prevent product from entering drains and ventilation systems. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered labeled containers for disposal. Large Spills: Dike spill product to prevent runoff. Recover contaminated water for appropriate disposal. Report spills to local health, safety and environmental authorities, as required.

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SECTION 7: HANDLING AND STORAGE

HANDLING: *Read entire label before using. Use strictly in accordance with label precautionary statements and directions. Do not contaminate food or feed.*

STORAGE: *Keep product in its original container. Keep container tightly closed. Store this product in a cool, dry place away from heat or direct sunlight. Protect from freezing.*

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: *General ventilation is usually adequate. When handling large quantities of concentrated product; Use local exhaust ventilation, if necessary.*

PERSONAL PROTECTIVE EQUIPMENT (PPE): *None required.*

EXPOSURE GUIDELINES:

INGREDIENT:	CAS NO.	%	Exposure Limits		
			ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA
Ammonia	*7664-41-7*	*< 3.5%*	*18 mg/m3 (TWA -25ppm)*	*40 ppm as STEL*	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: *Opaque gel*

ODOR: *Ammonia*

pH: *10.0 to 12.0*

BOILING POINT: *Not determined*

MELTING POINT: *Not applicable*

RELATIVE DENSITY (H2O = 1) @25˚C: *1.00 gm/ml*

VAPOR PRESSURE (mmHg) @ ˚C: *Not applicable*

VAPOR DENSITY (AIR = 1): *Not applicable*

FLASH POINT: *Not expected for water-based product*

SOLUBILITY IN WATER: *Complete*

SOLUBILITY IN SOLVENTS: *Not determined*

VISCOSITY: *30,000 cps @ 25º C*

VOLATILE ORGANIC COMPOUNDS (VOC): *Not determined*

PARTITION COEFFICIENT: *Not determined*

SECTION 10: STABILITY AND REACTIVITY

STABILITY: *Stable*

CONDITIONS TO AVOID: *Extreme temperatures, Sunlight*

INCOMPATIBILITY (MATERIAL TO AVOID): ***Metals and Oxidizing agents**. Attacks many metals forming explosive gas. Reacts violently with acids Strong acids, most common metals, strong oxidizing agents, bromine, chlorine, aluminum, copper, brass, bronze, hypochlorite, acids, monoammonium phosphate, sodium potassium alloy, strong alkalis or mineral acids.*

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: *Ammonia, Carbon dioxide, Carbon monoxide, Nitrogen oxides*

HAZARDOUS POLYMERIZATION: *Will not occur*

SECTION 11: TOXICOLOGICAL INFORMATION

The preparation has not been tested for all toxicological effects; some are classified on the basis of the known hazards of the components.

Acute oral toxicity:	**LD50** – *Greater than 2000 mg/kg female rat* **Method:** *OPPTS 870.1100, OECD 425* **Source:** *Product Tested 2005*
Acute inhalation toxicity:	**LC50** – *Not determined* **Method** **Source:**
Acute dermal toxicity:	**LD50** – *Not determined* **Method:** **Source:**
Irritant effect on skin:	*Moderately irritating, slightly irritating at 72hrs (PDII: 3.4)* **Method:** *OPPTS 870.2500, OECD 404* **Source:** *Product Tested 2005*
Irritant effect on eyes:	*Severely irritating, irritation cleared by 17 days (MMTS 34.7)* **Method:** *OPPTS 870.2400, OECD 405* **Source:** *Product Tested 2005*
Sensitization:	*No ingredient has been identified as having sensitizing properties.* **Method** **Source:** *Literature*
Mutagenicity:	*Not determined* **Method** **Source:**
Carcinogenicity/Reproductive toxicity:	*No components present in this material at concentrations of 0.1% or greater are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.* **Source:** *Safety Data Sheets of components*
Specific Target Organ Toxicity	**Single exposure (GHS) –** *no data available* **Repeated exposure (GHS) -** *no data available*
Signs and Symptoms of Exposure	*Redness, rash or blistering*

POTENTIAL HEALTH EFFECTS

INHALATION:	*May cause irritation to lungs*
SKIN CONTACT:	*Pre-existing skin disorders may be aggravated by exposure*
EYE CONTACT:	*Prolonged contact may cause irritation, with redness, pain, tearing, blurred vision and conjunctivitis.*
INGESTION:	*Harmful if swallowed*

SECTION 12: ECOLOGICAL INFORMATION

General Comments: *Ecotoxicological data have not been determined specifically for this product, but it is classified on the basis of the known hazards of the components. This section is not required by WHMIS.*

Mobility	*The product is water-based and expected to be mobile in the aquatic environment.*
Persistence/degradability	*The Ammonium Hydroxide is readily biodegradable in the environment, according to ECBI/07/00 Rev. 3 (29/8/00)*
Bioaccumulation	*The Ammonium Hydroxide has been shown to have a low bioaccumulation. (Log POW=2,02)*
Toxicity	*The Ammonium Hydroxide has been shown to be toxic to aquatic organisms. (10mg/l<LC50 <100 mg/l)*

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: *Do not reuse any empty containers.*

US: *This product is not a hazardous solid waste as defined in Resource Conservation Recovery Act Regulations (40 CFR 261)and should be disposed of according to local, state and Federal regulations Dispose of partially filled and empty containers by wrapping and discarding in trash.*

International: *This product should not be disposed of via the drains or by landfill. Disposal must be in accordance with current national and local regulations. Chemical residues generally count as special waste, and their disposal may be regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities or approved waste disposal companies who will advise you on how to dispose of special waste. Packaging may contain residues of the product and should be treated accordingly.*

General EU requirements are given in the Waste Framework Directive (75/442/EEC) and the Hazardous Waste Directive (91/689/EEC).

SECTION 14: TRANSPORT INFORMATION

SHIPPING INFORMATION: **Marine Pollutant:** *No*

Regulation	UN No.	Proper Shipping Name	Class	Package Group	Label	Additional Information
U.S. Department of Transportation (DOT) – Non-Bulk	_	_	_	_	_	*Not regulated*
U.S. Department of Transportation (DOT) – Bulk	*3266*	*Corrosive liquids, n.o.s. Ammonium Hydroxide*	*8*	*III*	*C*	*Corrosive*
Canadian Transportation of Dangerous Goods (TDG) Non-Bulk	_	*Ammonium Hydroxide*	*8*	_	*E*	*Corrosive*
International Maritime Dangerous Goods (IMDG) Non-Bulk	_	_	_	_	_	*Not regulated*
International Air Transport Assoc. (IATA) Non-Bulk	_	_	_	_	_	*Not regulated*

The transportation regulations are cited according to international regulations and in the form applicable to the United States and Canada. Possible national deviations in other countries are not considered.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT): *All components of this product are listed or exempt on the TSCA list*
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):
CERCLA HAZARDOUS SUBSTANCE: *Ammonium hydroxide (CAS # 1336-21-6)*
CERCLA REPORTABLE QUANITIY: *RQ= 500lbs*
RCRA 261 (RESOURCE CONSERVATION RECOVERY ACT): *Ammonium hydroxide (CAS # 1336-21-6)*
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
Section 302 Extremely Hazardous Substances (TPQ): *TPQ=500lbs.*
311/312 HAZARD CLASS: *Acute Health and Chronic Health Hazard.*
313 REPORTABLE INGREDIENTS: *Ammonium hydroxide (CAS # 1336-21-6)*
California Proposition 65: *None*
States Right to Know: *This product contains Ammonium hydroxide (CAS # 1336-21-6)*

CANADIAN REGULATIONS:

WHMIS CLASSIFCATION: *Class E- Corrosive*

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

DOMESTIC SUBSTANCE LIST (DSL)/NON-DOMESTIC SUBSTANCE LIST (NDSL): *All components are listed or exempt*
Canadian Ingredient Disclosure List: *Ammonium hydroxide (CAS # 1336-21-6)*

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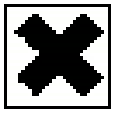
EU REGULATIONS:

Labeling in accordance with EC-Directives

Hazard symbols



Irritant

Corrosive

Toxic to Aquatic Organisms

Hazardous component(s) to be indicated on label: *Contains Ammonium hydroxide*

EC Number

R phrases	*22*	*Harmful if swallowed*
	36/37/38	*Irritating to eyes, skin and respiratory system*
S phrases	*1/2*	*Keep locked and out of the reach of children*
	26	*In case of contact with eyes, rinse immediately with plenty of water and seek medical advice*
	45	*in case of accident or if you feel unwell seek medical advise immediately*
	49	*Keep only in the original container*
	61	*avoid release to the environment. Refer to special instructions/safety data sheet.*

SECTION 16: OTHER INFORMATION

HMIS		
Health: 2	**Flammability:** 0	**Reactivity:** 0
Special: Corrosive		

4=extreme 3=High 2=Moderate 1=Slight 0=Insignificant

REVISED SECTIONS OR REASON FOR REVISION:

ISSUED DATE: OCT 22, 2007
1-(1-13-2009)-NAME ADDITION
2-(5-14-2010)-NEW WHIMIS & EU COMPLIANT FORMATTTING
3-(6-21-2010)-NEW GHS FORMATTING – SPEC CHANGE TO SP.GR. & PH
4-(4-23-12) - MEDICAL INFORMATION PHONE # & ADDED E-MAIL ADDRESS, PRINT DATE, PRODUCT CODE, INGREDIENT RANGES

DISCLAIMER: *The information provided herein was believed to be accurate, to the best knowledge of Tender Corporation, at the time of preparation from a compilation of sources believed to be reliable and is furnished without warranty, expressed or implied. It is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling, storage and use of this product and to determine the suitability of the product for its intended use. This data sheet relates only to the specific product listed and does not relate to use in combination or in any process with other materials*